



Pesticide Spray Drone

Industrial Revolution For
Agriculture

YJTech Agriculture



Profile



Product Show



Our Advantage



Contact Us



Profile

Our ideal is to transform the agricultural production of all mankind from a broad, blind, only pursuit of efficiency and output value to a smart, precise and sustainable way.

Give drones a higher scientific mission than just an agricultural production tool. We are turning "farming" into a cool thing.

Doing smart farming is a very socially important thing. It can reduce pollution, improve production, and protect our food safety.





Our Partner

We are an innovative enterprise based on the whole world

As a high-tech enterprise representing China's innovative business cards, YJTech actively explores innovative applications in UAV control, precision agriculture, artificial intelligence, flight safety and other fields with global partners. Universities both inside and outside the United Nations have participated in many international agricultural intelligent research projects.





Product Show



Y10 Agriculture Drone



Y16 Agriculture Drone



Y25 Agriculture Drone

For the needs of different regions and crops, our Y10 series
plant protection drones are divided into three models,
namely **10L, 16L, 25L**



Our Advantage

Get the investment back in **20** days

The cost to spray one hectare is based on **\$20** per **10000m²**

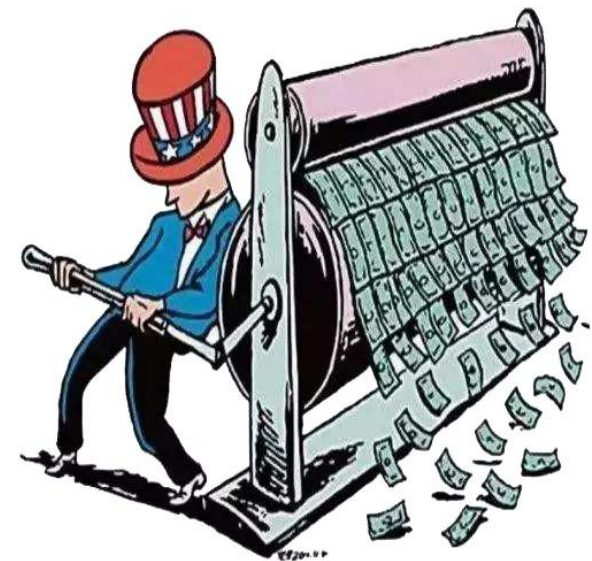
Drone Capacity (L)	Pesticide (L/hectare)	Working time (h)	Spray area per day hectare	Income (\$/hectare)	Pure profit	Machine price
10	20	8	31	\$20	\$600	\$3, 699
16	20	8	48	\$20	\$940	\$4, 599
25	20	8	61	\$20	\$1197	\$5, 799



Detailed data

Save the cost to bottom

- Save spraying cost **by 93%**
- Save pesticide **by 30%**
- Save water **by 90%**
- Spray pesticide **310,000~610,000 m²** a day, which is **30 times** more than the traditional method.
- Spray the whole field only once. No repeat. No missing.





Detailed data

The Easiest Way To Operate

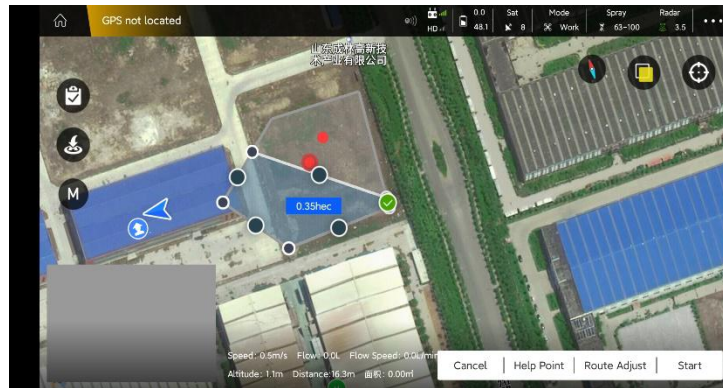


- In order to operate the drone
- Only 8 button will be used
- Only 5 function need to learned
- Total time to learn all operation: only 1 hour



Detailed data

The Easiest Way To Operate



- Intelligent fly
- Intelligent land
- Intelligent spray
- Intelligent return without power or pesticide





FAQ

Q 1: How to prevent the dust going into the motor?

A: Full sealed motors prevent any dust or pesticide.



Our Full Sealed Motor



Other common motor



FAQ

Q2: Can the drone fly in rainy day?

A: Yes. Full sealed head cover protect all the electric parts well.
For those drones without head cover, electric parts will be broken if it suddenly rains



Our full sealed head cover



Other drone without cover



FAQ

Q3: How to add pesticide?

A: Very easy to add pesticide directly with large inlet hole
Other drones with small hole may need add pesticide with funnel. Very inconvenience



Our large hole tank



**Other drone with small hole, must
use the funnel to raise**



FAQ

Q4: Is the drone strong enough?

A.: The drone is very strong. Even several men stand on it.





FAQ

Q5: After folding, does the motor touch the ground?

A:. No motor will touch the earth.

If motor touch the earth, wearing or dust will be easy to happen



Our Drone



Others Drone



FAQ

Q6: Does the battery fix well?

A:.. Yes, there is a groove with 18° chamfer on the tank.
The battery will automatic fix well even the strip is loose.



Our Drone



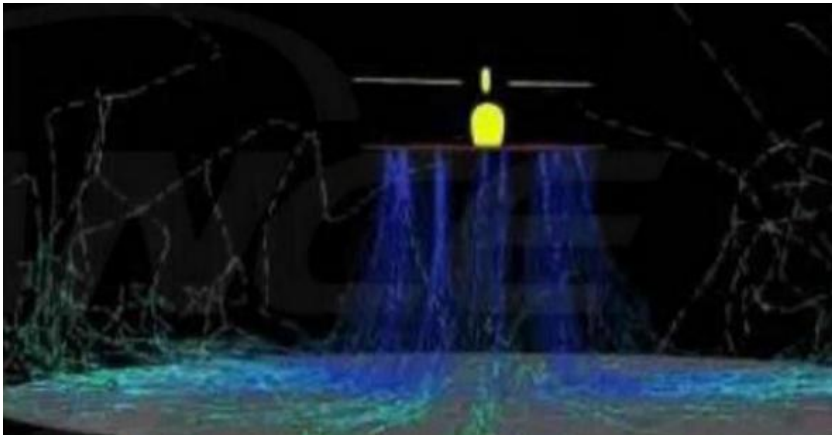
Others Drone



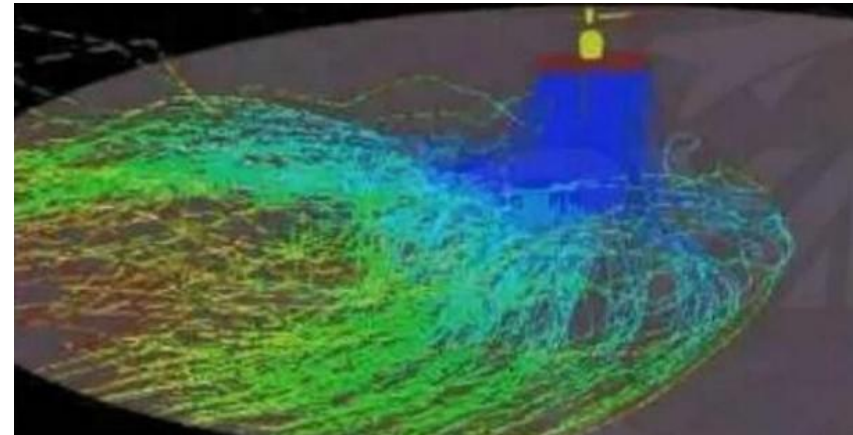
FAQ

Q7: How about spraying effect?

A: Every nozzle is installed beneath the propeller to ensure every drop of mist reaches the surface and bottom of leaves, stems and roots.



Our Drone



Others Drone



FAQ

Q8: What will happen if the drone fly out off the control range?

Answer: It will never happen. The drone will hover when it reaches the largest range.

Q9: What happen if there is no power?

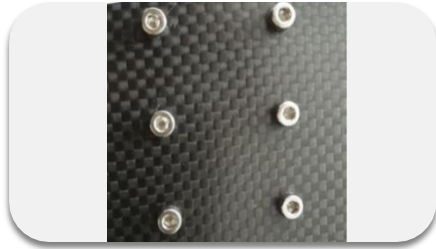
Answer: The drone will fly back and land automatically

Q10: Is there any fire prevention device in battery joint?

Answer: Yes.



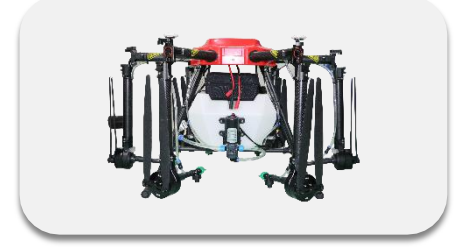
Parts display



Stainless steel screws
which will not rust after
spray



Full sealed motor
Protect against water, dust and pesticide High speed
and large spray width Good heat dissipation and long
service life



Umbrella folding design easy to
repair and carry



Dual GPS
It can still work if anyone is wrong Centimeter-level
positioning Altitude and position keep steady during
full-load full-speed flight



Advanced 2.4
Android system remote control, built-in flight
software. No need to connect a mobile phone to work.
The standby time is up to 72 hours. The long-range
distance can reach 7000 meters



Pesticide tank
Pesticide tank with large inlet
hole. Easy to add pesticide



Parts display



Propellers Carbon fibre propeller with high pulling force Hover accurately with 6-axis gyroscope



Intelligent fast charge Short circuit protection Over temperature protection



Nozzle
Rapid insertion, self-locking
Spray uniform with 1-3 μ m mist
Strong penetration, can pass through 3 m high-density crops.



Carbon fiber arm with lighter weight and higher strength ring design.
Absorb shock and prevent dust Knob design, easy to fold



Intelligent spray pump. Adjust the pump parameter intelligent Spray in working status. Stop spraying when stop working



Large capacity battery with class A battery cell. Anti-ignition plug without spark Charging life 300 times



Parameter for 10L drone

No	Item	Parameter	No	Item	Parameter	No	Item	Parameter
1	Capacity	10L	7	Propeller	2911	13	Max wind resistance	Grade 5
2	Aircraft weight	15KG	8	Spraying time	6~10min	14	Control distance	Radium 1250m
3	Take-off weight	25KG	9	Spray flow	1~3L/min	15	Working voltage	44.4V
4	Wheelbase	1250mm	10	Spraying speed	0-10m/s	16	Nozzle	4pcs
5	Folding size	500*500*550mm	11	Flying speed	0-15m/s	17	Working temperature	5~40°C
6	No load flight time	22min	12	Spraying width	4M	18	Working Humidity	0~90%



Parameter for 16L drone

No	Item	Parameter	No	Item	Parameter	No	Item	Parameter
1	Capacity	16L	7	Propeller	30inch	13	Max wind resistance	Grade 5
2	Aircraft weight	22KG	8	Spraying time	6-14min	14	Control distance	Radium 1250m
3	Take-off weight	38KG	9	Spray flow	1~3.6L/min	15	Working voltage	44.4V
4	Wheelbase	1630mm	10	Spraying speed	0-10m/s	16	Nozzle	6pcs
5	Folding size	1000*1000*600mm	11	Flying speed	0-15m/s	17	Working temperature	5~40°C
6	No load flight time	25min	12	Spraying width	5M	18	Working Humidity	0~90%



Parameter for 25L drone

No	Item	Parameter	No	Item	Parameter	No	Item	Parameter
1	Capacity	25L	7	Propeller	34inch	13	Max wind resistance	Grade 5
2	Aircraft weight	25KG	8	Spraying time	7-14min	14	Control distance	Radium 1250m
3	Take-off weight	50KG	9	Spray flow	1~3.6L/min	15	Working voltage	44.4V
4	Wheelbase	1885mm	10	Spraying speed	0-10m/s	16	Nozzle	6pcs
5	Folding size	1040*1040*750mm	11	Flying speed	0-15m/s	17	Working temperature	5~40°C
6	No load flight time	20min	12	Spraying width	6M	18	Working Humidity	0~90%



Contact Us

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YJTech

Make Agriculture Smart

